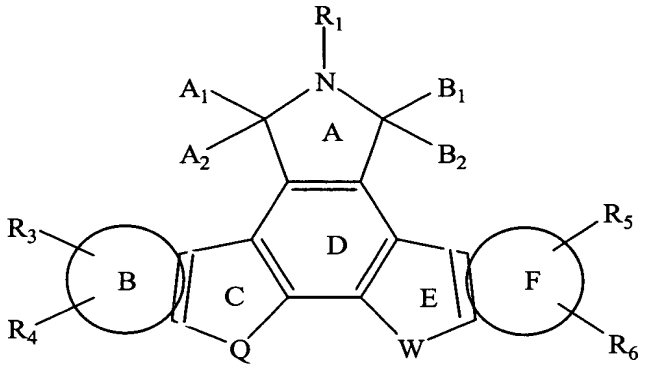


I

wherein:

ring B and ring F, independently, and each together with the carbon atoms to which they are attached, are selected from the group consisting of:

a) an unsaturated 6-membered carbocyclic aromatic ring in which from 1 to 3 carbon atoms may be replaced by nitrogen atoms;

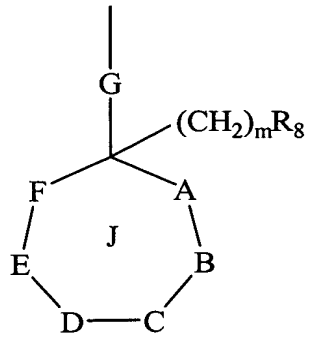
b) an unsaturated 5-membered carbocyclic aromatic ring; in which, optionally, either

1) one carbon atom is replaced with an oxygen, nitrogen, or sulfur atom;

2) two carbon atoms are replaced with a sulfur and a nitrogen atom, an oxygen and a nitrogen atom, or two nitrogen atoms; or

3) three carbon atoms are replaced with three nitrogen atoms;

R^7 is



wherein:

m is 0-4;

G is a bond; or alkylene having 1 to 4 carbons, wherein the alkylene group is unsubstituted, or substituted with $NR^{11A}R^{12A}$ or OR^{19};

R^{11A} and R^{12A} are the same as R^{11} and R^{12};

R^{19} is selected from the group consisting of H, alkyl, acyl, and $C(=O)NR^{11A}R^{12A}$;

R^8 is selected from the group consisting of $O(C=O)NR^{11}R^{12}$, -CN, acyloxy, alkenyl, $-O-CH_2-O-(CH_2)_2-O-CH_3$, halogen and R^{1A} wherein R^{1A} is the same as R^1;

A and B are independently selected from the group consisting of O, N, S, CHR^{17}, $C(OH)R^{17}$, C(=O), and $CH_2=C$; or A and B together can form -CH=CH-;

C and D are independently selected from the group consisting of a bond, O, N, S, CHR^{17}, $C(OH)R^{17}$, C(=O) and $CH_2=C$;

E and F are independently selected from the group consisting of a bond, O, N, S, C(=O), and $CH(R^{17})$;

R^{17} is selected from the group consisting of H, substituted or unsubstituted alkyl, alkoxycarbonyl, and substituted or unsubstituted alkoxy;

wherein:

1) ring J contains 0 to 3 ring heteroatoms;

2) any two adjacent hydroxyl groups of ring J can be joined in a dioxolane ring;

3) any two adjacent ring carbon atoms of ring J can be joined to form a fused aryl or heteroaryl ring;

4) any two adjacent ring nitrogen atoms of ring J can be joined to form a fused heterocyclic ring which can be substituted with 1 to 3 alkyl or aryl groups;

provided that:

1) one of A, B, C, D, E, or F contains at least one carbon atom that is saturated;

2) ring J does not contain two adjacent ring O atoms;

3) ring J contains a maximum of two ring C(=O) groups;

Q is selected from the group consisting of O, S, NR^{13}, NR^{7A} wherein R^{7A} is the same as R^7, CHR^{15}, $X^3CH(R^{15})$, and $CH(R^{15})X^3$, wherein X^3 is selected from the group consisting of -O-, -S-, $-CH_2-$, NR^{7A}, and NR^{13};

W is selected from the group consisting of $CR^{18}R^7$ and CHR^{50} where R^{50} is alkyl having from 1 to 4 carbons, -OH, alkoxy having from 1 to 4 carbons, $-OC(=O)R^9$, $-OC(=O)NR^{11}R^{12}$, $-O(CH_2)_pNR^{11}R^{12}$, $-O(CH_2)_pOR^{10}$, substituted or unsubstituted arylalkyl having from 6 to 10 carbons, and substituted or unsubstituted heteroarylalkyl;

R^{13} is selected from the group consisting of H, $-SO_2R^9$, $-CO_2R^9$, $-C(=O)R^9$, $-C(=O)NR^{11}R^{12}$, alkyl of 1-8 carbons, alkenyl having 2-8 carbons, and alkynyl having 2-8 carbons; and either

1) the alkyl, alkenyl, or alkynyl group is unsubstituted; or

2) the alkyl, alkenyl, or alkynyl group independently is substituted with 1 to 3 groups selected from the group consisting of aryl having from 6 to 10 carbons, heteroaryl, arylalkoxy, heterocycloalkoxy, hydroxylalkoxy, alkyloxy-alkoxy, hydroxyalkylthio, alkoxy-alkylthio, F, Cl, Br, I, -CN, $-NO_2$, -OH, $-OR^9$, $-X^2(CH_2)_pNR^{11}R^{12}$, $-X^2(CH_2)_pC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pOC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pCO_2R^9$, $X^2(CH_2)_pS(O)_yR^9$, $-X^2(CH_2)_pNR^{10}C(=O)NR^{11}R^{12}$, $-OC(=O)R^9$, -OCONHR^2, -O-tetrahydropyranyl, $-NR^{11}R^{12}$, $-NR^{10}CO_2R^9$, $-NR^{10}C(=O)NR^{11}R^{12}$, $-NHC(=NH)NH_2$, $NR^{10}C(=O)R^9$, $-NR^{10}S(O)_2R^9$, $-S(O)_yR^9$, $-CO_2R^2$, $-C(=O)NR^{11}R^{12}$, $-C(=O)R^2$, $-CH_2OR^{10}$, $-CH=NNR^2R^{2A}$, $-CH=NOR^2$, $-CH=NR^9$, $-CH=NNHCH(N=NH)NH_2$, $-S(=O)_2NR^2R^{2A}$, $-P(=O)(OR^{10})_2$, $-OR^{14}$, and a monosaccharide having from 5 to 7 carbons wherein each hydroxyl group of the monosaccharide is independently either unsubstituted or is replaced by H, alkyl having from 1 to 4 carbons, alkylcarbonyloxy having from 2 to 5 carbons, or alkoxy having from of 1 to 4 carbons;

R^{15} is selected from the group consisting of H, OR^{10}, SR^{10}, R^{7A}, and R^{16};

R^{16} is selected from the group consisting of alkyl of 1 to 4 carbons; phenyl; naphthyl; arylalkyl having 7 to 15 carbons, $-SO_2R^9$, $-CO_2R^9$, $-C(=O)R^9$, alkyl having 1-8 carbons; alkenyl having 2 to 8 carbons, and alkynyl having 2 to 8 carbons, wherein

1) each alkyl, alkenyl, or alkynyl group is unsubstituted; or

2) each alkyl, alkenyl, or alkynyl group is substituted with 1 to 3 groups selected from the group consisting of aryl having from 6 to 10 carbons, heteroaryl, arylalkoxy, heterocycloalkoxy, hydroxylalkoxy, alkyloxy-alkoxy, hydroxyalkylthio, alkoxy-alkylthio, F, Cl, Br, I, -CN, $-NO_2$, -OH, $-OR^9$, - $X^2(CH_2)_pNR^{11}R^{12}$, $-X^2(CH_2)_pC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pOC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pCO_2R^9$, $X^2(CH_2)_pS(O)_yR^9$, $-X^2(CH_2)_pNR^{10}C(=O)NR^{11}R^{12}$, $-OC(=O)R^9$, $-OCONHR^2$, -O-tetrahydropyranyl, $-NR^{11}R^{12}$, $-NR^{10}CO_2R^9$, $-NR^{10}C(=O)NR^{11}R^{12}$, $-NHC(=NH)NH_2$, $NR^{10}C(=O)R^9$, $-NR^{10}S(O)_2R^9$, $-S(O)_yR^9$, $-CO_2R^2$, $-C(=O)NR^{11}R^{12}$, $-C(=O)R^2$, $-CH_2OR^{10}$, $-CH=NNR^2R^{2A}$, $-CH=NOR^2$, $-CH=NR^9$, $-CH=NNHCH(N=NH)NH_2$, $-S(=O)_2NR^2R^{2A}$, $-P(=O)(OR^{10})_2$, $-OR^{14}$, and a monosaccharide having from 5 to 7 carbons wherein each hydroxyl group of the monosaccharide is independently either unsubstituted or is replaced by H, alkyl having from 1 to 4 carbons, alkylcarbonyloxy having from 2 to 5 carbons, or alkoxy having from of 1 to 4 carbons;

R^{18} is selected from the group consisting of R^2, thioalkyl of 1-4 carbons, and halogen;

A^1 and A^2 are selected from the group consisting of H, H; H, OR^2; H, $-SR^2$; H, $-N(R^2)_2$; and a group wherein A^1 and A^2 together form a moiety selected from the group consisting of =O, =S, and $=NR^2$;

B^1 and B^2 are selected from the group consisting of H, H; H, $-OR^2$; H, $-SR^2$; H, $-N(R^2)_2$; and a group wherein B^1 and B^2 together form a moiety selected from the group consisting of =O, =S, and $=NR^2$; with the proviso that at least one of the pairs A^1 and A^2, or B^1 and B^2, form =O;

with the proviso that when Q is NH or NR^{7A}, and in any R^7 or R^{7A} group m is 0 and G is a bond, R^8 is H, and R^7 or R^{7A} contains one ring hetero oxygen atom at position A in a 5- or 6-membered ring, then B cannot be CHR^{17} where R^{17} is substituted or unsubstituted alkyl; and

with the further proviso that the compound of Formula I contains one R^7 or R^{7A} group or both an R^7 and R^{7A} group.

2. (Amended) The compound of claim 1 wherein:

A and B are independently selected from the group consisting of O, N, S, CHR^{17}, $C(OH)R^{17}$, C(=O), and CH2=C;

R^{17} is selected from the group consisting of H, substituted or unsubstituted alkyl, and substituted or unsubstituted alkoxy; wherein:

1) ring J contains 0 to 3 ring heteroatoms;

2) any two adjacent hydroxyl groups of ring J can be joined in a dioxolane ring;

3) any two adjacent ring carbon atoms of ring J can be joined to form a fused aryl or heteroaryl ring;

provided that:

1) one of A, B, C, D, E, or F contains at least one carbon atom that is saturated;

2) ring J does not contain two adjacent ring O atoms;

3) ring J contains a maximum of two ring C(=O) groups; and

R^8 is selected from the group consisting of $O(C=O)NR^{11}R^{12}$, -CN, acyloxy, alkenyl, $-O-CH_2-O-(CH_2)_2-O-CH_3$, halogen and R^{1A} wherein R^{1A} is the same as R^1.

8. (Amended) The compound of claim 2 wherein Q is NR^{13} or NR^{7A}.

9. (Amended) The compound of claim 8 wherein Q is NR^{7A}.

10. (Amended) The compound of claim 8 wherein R^{13} is H.

16. (Amended) The compound of claim 15 wherein R^7 is a heterocyclic ring which contains one ring O atom.

35. (Amended) The compound of claim 31 wherein the constituent variables of the compounds of Formula II are selected in accordance with the following table:

A1A2	B1B2	R3	R5	R18	m	R8	A	B	C	D	E	F
H2	O	H	H	H	0	OH	CH2	CH2	N(Bn)	bond	CH2	CH2
H2	O	H	H	H	0	OH	CH2	CH2	O	bond	CH2	CH2
H2	O	H	H	H	1	H	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	C(=O)	CH2	CH2	CH2	bond
H2	O	H	H	H	0	H	O	C(=O)	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	(p)-F-phenyl	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	2-theinyl	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	OH	CH2	CH2	N(Me)	bond	CH2	CH2
H2	O	H	H	H	0	H	CH2	S	CH2	CH(OH)	bond	bond
H2	O	H	H	H	1	H	O	CH2	CH2	CH2	CH2	bond
H2	O	H	H	H	0	H	O	CH2	CH2	CH2	CH2	bond
H2	O	H	H	H	0	OH	CH2	CH2	S	bond	CH2	CH2
H2	O	H	H	H	0	OH	CH2	1,6-benzo-fused		bond	CH2	CH2
H2	O	H	H	H	0	OH	CH2	N(Et)	CH2	bond	CH2	CH2
H2	O	H	H	H	0	OH	CH[CH2-N{(CH2)2}2O]	CH2	bond	bond	CH2	CH2
H2	O	H	H	H	0	OH	CH2	CH2	CH2	bond	bond	bond

H2	O	H	H	H	3	Cl	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	O(C=O)-t-Bu	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	OH	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	O(C=O)CH3	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	CH(OH)	CH2	CH2	bond	bond
H2	O	H	H	H	0	OH	CH2	CH2	N[(C=O)CH3]	bond	CH2	CH2
H2	O	H	H	H	1	H	O	CH2	-C(=CH2)-	CH2	bond	bond
H2	O	H	H	H	1	H	O	CH2	-C[(OH)(CH2OH)]-	CH2	bond	bond
H2	O	H	H	H	1	H	O	CH2	-C(=O)-	CH2	bond	bond
H2	O	H	H	H	0	-CH=CH2	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	-CH(OH)CH2-OH	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	H	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	H	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	-OCH2OCH2-CH2OCH3	O	-C(=O)-	CH2	CH2	bond	bond
H2	O	H	H	Et	1	-O(C=O)CH2-t-Bu	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	OH	O	-C(=O)-	CH2	CH2	bond	bond
H2	O	H	H	Et	1	OH	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	OH	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	1	OH	O	CH2	CH2	CH2	bond	bond
O	H2	H	H	H	1	H	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	CH(OH)	CH2	CH2	bond	bond

H2	O	H	H	H	0	H	O	CH(OEt)	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	CH(OEt)	CH2	CH2	bond	bond
H2	O	H	H	H	0	OH	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	CH2	CH2	CH(OH)	bond	bond
H2	O	H	H	H	1	Cl	O	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	O	1,6-[2,4-(OMe)2])-benzo-fused		CH2	bond	bond
H2	O	H	H	H	0	H	O	1,6-[2,4-(OMe)2])-benzofused		CH2	bond	bond
H2	O	H	H	Et	0	H	O	1,6-[2,4-(OMe)2])-benzofused		CH2	bond	bond
H2	O	H	H	H	0	OH	C(=O)	O	CH2	-C[(CH3)2]-	bond	bond
H2	O	H	H	H	0	OH	O	-CH[O(CMe2)O]CH-		CH2	bond	bond
H2	O	H	H	H	0	OH	CH2	CH2	CH2	CH2	CH2	bond
H2	O	H	H	H	1	H	O	CH(OEt)	CH2	O	CH2	bond
H2	O	H	H	H	1	H	O	CH(OEt)	CH2	O	CH2	bond
H2	O	H	H	H	1	H	O	CH(OEt)	CH2	O	CH2	bond
H2	O	3-C(=O)O-CH2CH2-OCH3	H	H	O	H	O	CH(OOCH2-CH2OCH3)	CH2	CH2	bond	bond
H2	O	H	10-O-Me	H	1	OH	O	CH2	CH2	CH2	bond	bond
H2	O	H	10-O-Me	H	1	OH	O	CH(OEt)	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	CH(COOEt)	C(=O)	CH2	CH2	bond	bond
O	O	H	H	H	0	H	CH(COOEt)	C(=O)	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	CH2	CH2	CH2	CH2	bond	bond
H2	O	H	H	H	0	H	C(=O)	O	CH2	CH2	bond	bond
H2	O	H	H	H	1	OC(=O)NHEt	O	CH2	CH2	CH2	bond	bond

H2 O H H H 1 OH O CH2 CH2 CH2 bond bond.

50. (Amended) The compound of claim 49 wherein R^8 is -O-C(=O)-CH_3.

52. (Amended) The compound of claim 51 wherein Q is NR^{7A} and W is $CR^{18}R^7$.

53. (Amended) The compound of claim 52 wherein R^{7A} and R^7 are each cyclopropylmethyl.

55. (Amended) The compound of claim 54 wherein G is CH_2, m is 0, R^8 is -CN, and ring J is cyclopropyl.

65. (Amended) The pharmaceutical composition of claim 64 wherein the prostate disorder is prostate cancer or benign prostate hyperplasia.

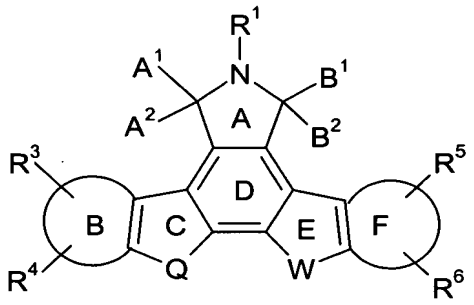
68. (Amended) A method for inhibiting a kinase comprising providing a compound of claim 1 in an amount sufficient to result in effective inhibition.

73. (Twice Amended) A method for treating prostate disorders which comprises administering to a host in need of such treatment a therapeutically effective amount of a compound of claim 1.

91. (Amended) A method for the treatment of cancer comprising inhibiting one or more of Src, raf, a checkpoint kinase or a cyclin-dependent kinase, the method comprising providing a compound of claim 1 in an amount sufficient to result in the receptor being contacted with an effective inhibitory amount of the compound.

Please add the following new claims.

96. (New) A compound having the formula:



wherein:

A^1 and A^2 are selected from the group consisting of H, H; H, OR^2; H, $-SR^2$; H, $-N(R^2)_2$; and a group wherein A^1 and A^2 together form a moiety selected from the group consisting of =O, =S, and $=NR^2$;

B^1 and B^2 are selected from the group consisting of H, H; H, $-OR^2$; H, $-SR^2$; H, $-N(R^2)_2$; and a group wherein B^1 and B^2 together form a moiety selected from the group consisting of =O, =S, and $=NR^2$; with the proviso that at least one of the pairs A^1 and A^2, or B^1 and B^2, form =O;

R^1 is selected from the group consisting of:

a) H, substituted or unsubstituted alkyl having from 1 to 4 carbons, substituted or unsubstituted aryl, substituted or unsubstituted arylalkyl, substituted or unsubstituted heteroaryl, or substituted or unsubstituted heteroarylalkyl;

b) $-C(=O)R^9$, where R^9 is selected from the group consisting of alkyl, aryl and heteroaryl;

c) $-OR^{10}$, where R^{10} is selected from the group consisting of H and alkyl having from 1 to 4 carbons;

d) $-C(=O)NH_2$, $-NR^{11}R^{12}$, $-(CH_2)_pNR^{11}R^{12}$, $-(CH_2)_pOR^{10}$, $-O(CH_2)_pOR^{10}$ and $-O(CH_2)_pNR^{11}R^{12}$, wherein p is from 1 to 4; and wherein either

1) R^{11} and R^{12} are each independently selected from the group consisting of H and alkyl having from 1 to 4 carbons; or

2) R^{11} and R^{12} together form a linking group of the formula $-(CH_2)_2-X^1-(CH_2)_2-$, wherein X^1 is selected from the group consisting of

-O-, -S-, and -CH_2-;

R^2 is selected from the group consisting of H, alkyl having from 1 to 4 carbons, -OH, alkoxy having from 1 to 4 carbons, -$OC(=O)R^9$, -$OC(=O)NR^{11}R^{12}$, -$O(CH_2)_pNR^{11}R^{12}$, -$O(CH_2)_pOR^{10}$, substituted or unsubstituted arylalkyl having from 6 to 10 carbons, and substituted or unsubstituted heteroarylalkyl;

R^3, R^4, R^5 and R^6 are each independently selected from the group consisting of:

a) H, aryl, heteroaryl, F, Cl, Br, I, -CN, CF_3, -NO_2, -OH, -OR^9, -$O(CH_2)_pNR^{11}R^{12}$, -$OC(=O)R^9$, -$OC(=O)NR^{11}R^{12}$, -$O(CH_2)_pOR^{10}$, -CH_2OR^{10}, -$NR^{11}R^{12}$, -$NR^{10}S(=O)_2R^9$, -$NR^{10}C(=O)R^9$,

b) -CH_2OR^{14}, wherein R^{14} is the residue of an amino acid after the hydroxyl group of the carboxyl group is removed;

c) -$NR^{10}C(=O)NR^{11}R^{12}$, -$CO_2R^2$, -$C(=O)R^2$, -$C(=O)NR^{11}R^{12}$, -$CH=NOR^2$, -$CH=NR^9$, -$(CH_2)_pNR^{11}R^{12}$, -$(CH_2)_pNHR^{14}$, or -$CH=NNR^2R^{2A}$ wherein R^{2A} is the same as R^2;

d) -$S(O)_yR^2$, -$(CH_2)_pS(O)_yR^9$, -$CH_2S(O)_yR^{14}$ wherein y is 0, 1 or 2;

e) alkyl having from 1 to 8 carbons, alkenyl having from 2 to 8 carbons, and alkynyl having 2 to 8 carbons, wherein

1) each alkyl, alkenyl, or alkynyl group is unsubstituted; or

2) each alkyl, alkenyl or alkynyl group is substituted with 1 to 3 groups selected from the group consisting of aryl having from 6 to 10 carbons, heteroaryl, arylalkoxy, heterocycloalkoxy, hydroxylalkoxy, alkyloxy-alkoxy, hydroxyalkylthio, alkoxy-alkylthio, F, Cl, Br, I, -CN, -NO_2, -OH, -OR^9, -$X^2(CH_2)_pNR^{11}R^{12}$, -$X^2(CH_2)_pC(=O)NR^{11}R^{12}$, -$X^2(CH_2)_pOC(=O)NR^{11}R^{12}$, -$X^2(CH_2)_pCO_2R^9$, $X^2(CH_2)_pS(O)_yR^9$, -$X^2(CH_2)_pNR^{10}C(=O)NR^{11}R^{12}$, -$OC(=O)R^9$, -OCONHR^2, -O-tetrahydropyranyl, -$NR^{11}R^{12}$, -$NR^{10}CO_2R^9$, -$NR^{10}C(=O)NR^{11}R^{12}$, -$NHC(=NH)NH_2$, $NR^{10}C(=O)R^9$, -$NR^{10}S(O)_2R^9$, -$S(O)_yR^9$, -CO_2R^2, -$C(=O)NR^{11}R^{12}$, -$C(=O)R^2$, -CH_2OR^{10}, -$CH=NNR^2R^{2A}$, -$CH=NOR^2$, -$CH=NR^9$, -$CH=NNHCH(N=NH)NH_2$, -$S(=O)_2NR^2R^{2A}$, -$P(=O)(OR^{10})_2$, -OR^{14}, and a monosaccharide having from 5 to 7 carbons

wherein each hydroxyl group of the monosaccharide is independently either unsubstituted or is replaced by H, alkyl having from 1 to 4 carbons, alkylcarbonyloxy having from 2 to 5 carbons, or alkoxy having from of 1 to 4 carbons;

X^2 is O, S, or NR^{10};

R^7 is heteroaryl;

Q is selected from the group consisting of O, S, NR^{13}, NR^{7A} wherein R^{7A} is the same as R^7, CHR^{15}, $X^3CH(R^{15})$, and $CH(R^{15})X^3$, wherein X^3 is selected from the group consisting of -O-, -S-, $-CH_2-$, NR^{7A}, and NR^{13};

W is selected from the group consisting of $CR^{18}R^7$ and CHR^{50} where R^{50} is alkyl having from 1 to 4 carbons, -OH, alkoxy having from 1 to 4 carbons, $-OC(=O)R^9$, $-OC(=O)NR^{11}R^{12}$, $-O(CH_2)_pNR^{11}R^{12}$, $-O(CH_2)_pOR^{10}$, substituted or unsubstituted arylalkyl having from 6 to 10 carbons, and substituted or unsubstituted heteroarylalkyl;

R^{13} is selected from the group consisting of H, $-SO_2R^9$, $-CO_2R^9$, $-C(=O)R^9$, $-C(=O)NR^{11}R^{12}$, alkyl of 1-8 carbons, alkenyl having 2-8 carbons, and alkynyl having 2-8 carbons; and either

1) the alkyl, alkenyl, or alkynyl group is unsubstituted; or

2) the alkyl, alkenyl, or alkynyl group independently is substituted with 1 to 3 groups selected from the group consisting of aryl having from 6 to 10 carbons, heteroaryl, arylalkoxy, heterocycloalkoxy, hydroxylalkoxy, alkyloxy-alkoxy, hydroxyalkylthio, alkoxy-alkylthio, F, Cl, Br, I, -CN, $-NO_2$, -OH, $-OR^9$, $-X^2(CH_2)_pNR^{11}R^{12}$, $-X^2(CH_2)_pC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pOC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pCO_2R^9$, $X^2(CH_2)_pS(O)_yR^9$, $-X^2(CH_2)_pNR^{10}C(=O)NR^{11}R^{12}$, $-OC(=O)R^9$, $-OCONHR^2$, -O-tetrahydropyranyl, $-NR^{11}R^{12}$, $-NR^{10}CO_2R^9$, $-NR^{10}C(=O)NR^{11}R^{12}$, $-NHC(=NH)NH_2$, $NR^{10}C(=O)R^9$, $-NR^{10}S(O)_2R^9$, $-S(O)_yR^9$, $-CO_2R^2$, $-C(=O)NR^{11}R^{12}$, $-C(=O)R^2$, $-CH_2OR^{10}$, $-CH=NNR^2R^{2A}$, $-CH=NOR^2$, $-CH=NR^9$, $-CH=NNHCH(N=NH)NH_2$, $-S(=O)_2NR^2R^{2A}$, $-P(=O)(OR^{10})_2$, $-OR^{14}$, and a monosaccharide having from 5 to 7 carbons

wherein each hydroxyl group of the monosaccharide is independently either unsubstituted or is replaced by H, alkyl having from 1 to 4 carbons, alkylcarbonyloxy having from 2 to 5 carbons, or alkoxy having from of 1 to 4 carbons;

R^{15} is selected from the group consisting of H, OR^{10}, SR^{10}, R^{7A}, and R^{16};

R^{16} is selected from the group consisting of alkyl of 1 to 4 carbons; phenyl; naphthyl; arylalkyl having 7 to 15 carbons, $-SO_2R^9$, $-CO_2R^9$, $-C(=O)R^9$, alkyl having 1-8 carbons; alkenyl having 2 to 8 carbons, and alkynyl having 2 to 8 carbons, wherein

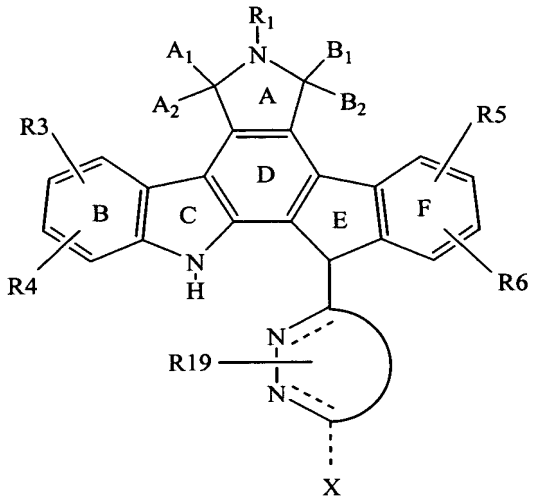
1) each alkyl, alkenyl, or alkynyl group is unsubstituted; or

2) each alkyl, alkenyl, or alkynyl group is substituted with 1 to 3 groups selected from the group consisting of aryl having from 6 to 10 carbons, heteroaryl, arylalkoxy, heterocycloalkoxy, hydroxylalkoxy, alkyloxy-alkoxy, hydroxyalkylthio, alkoxy-alkylthio, F, Cl, Br, I, -CN, $-NO_2$, -OH, $-OR^9$, $-X^2(CH_2)_pNR^{11}R^{12}$, $-X^2(CH_2)_pC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pOC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pCO_2R^9$, $X^2(CH_2)_pS(O)_yR^9$, $-X^2(CH_2)_pNR^{10}C(=O)NR^{11}R^{12}$, $-OC(=O)R^9$, $-OCONHR^2$, -O-tetrahydropyranyl, $-NR^{11}R^{12}$, $-NR^{10}CO_2R^9$, $-NR^{10}C(=O)NR^{11}R^{12}$, $-NHC(=NH)NH_2$, $NR^{10}C(=O)R^9$, $-NR^{10}S(O)_2R^9$, $-S(O)_yR^9$, $-CO_2R^2$, $-C(=O)NR^{11}R^{12}$, $-C(=O)R^2$, $-CH_2OR^{10}$, $-CH=NNR^2R^{2A}$, $-CH=NOR^2$, $-CH=NR^9$, $-CH=NNHCH(N=NH)NH_2$, $-S(=O)_2NR^2R^{2A}$, $-P(=O)(OR^{10})_2$, $-OR^{14}$, and a monosaccharide having from 5 to 7 carbons wherein each hydroxyl group of the monosaccharide is independently either unsubstituted or is replaced by H, alkyl having from 1 to 4 carbons, alkylcarbonyloxy having from 2 to 5 carbons, or alkoxy having from of 1 to 4 carbons;

R^{18} is selected from the group consisting of R^2, thioalkyl of 1-4 carbons, and halogen.

97. (New) The compound of claim 96 wherein R^7 is pyridyl.

98. (New) A compound having the formula:



wherein:

A^1 and A^2 are selected from the group consisting of H, H; H, OR^2; H, $-SR^2$; H, $-N(R^2)_2$; and a group wherein A^1 and A^2 together form a moiety selected from the group consisting of =O, =S, and $=NR^2$;

B^1 and B^2 are selected from the group consisting of H, H; H, $-OR^2$; H, $-SR^2$; H, $-N(R^2)_2$; and a group wherein B^1 and B^2 together form a moiety selected from the group consisting of =O, =S, and $=NR^2$; with the proviso that at least one of the pairs A^1 and A^2, or B^1 and B^2, form =O;

R^1 is selected from the group consisting of:

a) H, substituted or unsubstituted alkyl having from 1 to 4 carbons, substituted or unsubstituted aryl, substituted or unsubstituted arylalkyl, substituted or unsubstituted heteroaryl, or substituted or unsubstituted heteroarylalkyl;

b) $-C(=O)R^9$, where R^9 is selected from the group consisting of alkyl, aryl and heteroaryl;

c) $-OR^{10}$, where R^{10} is selected from the group consisting of H and alkyl having from 1 to 4 carbons;

d) $-C(=O)NH_2$, $-NR^{11}R^{12}$, $-(CH_2)_pNR^{11}R^{12}$, $-(CH_2)_pOR^{10}$, $-O(CH_2)_pOR^{10}$ and $-O(CH_2)_pNR^{11}R^{12}$, wherein p is from 1 to 4; and wherein either

1) R^{11} and R^{12} are each independently selected from the group consisting of H and alkyl having from 1 to 4 carbons; or

2) R^{11} and R^{12} together form a linking group of the formula $-(CH_2)_2-X^1-(CH_2)_2-$, wherein X^1 is selected from the group consisting of -O-, -S-, and $-CH_2-$; and

e) a protecting group or a polymeric support;

R^2 is selected from the group consisting of H, alkyl having from 1 to 4 carbons, -OH, alkoxy having from 1 to 4 carbons, $-OC(=O)R^9$, $-OC(=O)NR^{11}R^{12}$, $-O(CH_2)_pNR^{11}R^{12}$, $-O(CH_2)_pOR^{10}$, substituted or unsubstituted arylalkyl having from 6 to 10 carbons, and substituted or unsubstituted heteroarylalkyl;

R^3, R^4, R^5 and R^6 are each independently selected from the group consisting of:

a) H, aryl, heteroaryl, F, Cl, Br, I, -CN, CF_3, $-NO_2$, -OH, $-OR^9$, $-O(CH_2)_pNR^{11}R^{12}$, $-OC(=O)R^9$, $-OC(=O)NR^{11}R^{12}$, $-O(CH_2)_pOR^{10}$, $-CH_2OR^{10}$, $-NR^{11}R^{12}$, $-NR^{10}S(=O)_2R^9$, $-NR^{10}C(=O)R^9$,

b) $-CH_2OR^{14}$, wherein R^{14} is the residue of an amino acid after the hydroxyl group of the carboxyl group is removed;

c) $-NR^{10}C(=O)NR^{11}R^{12}$, $-CO_2R^2$, $-C(=O)R^2$, $-C(=O)NR^{11}R^{12}$, $-CH=NOR^2$, $-CH=NR^9$, $-(CH_2)_pNR^{11}R^{12}$, $-(CH_2)_pNHR^{14}$, or $-CH=NNR^2R^{2A}$ wherein R^{2A} is the same as R^2;

d) $-S(O)_yR^2$, $-(CH_2)_pS(O)_yR^9$, $-CH_2S(O)_yR^{14}$ wherein y is 0, 1 or 2;

e) alkyl having from 1 to 8 carbons, alkenyl having from 2 to 8 carbons, and alkynyl having 2 to 8 carbons, wherein

1) each alkyl, alkenyl, or alkynyl group is unsubstituted; or

2) each alkyl, alkenyl or alkynyl group is substituted with 1 to 3 groups selected from the group consisting of aryl having from 6 to 10 carbons, heteroaryl, arylalkoxy, heterocycloalkoxy, hydroxylalkoxy, alkyloxy-alkoxy, hydroxyalkylthio, alkoxy-alkylthio, F, Cl, Br, I, -CN, $-NO_2$, -OH, $-OR^9$, - $X^2(CH_2)_pNR^{11}R^{12}$, $-X^2(CH_2)_pC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pOC(=O)NR^{11}R^{12}$, $-X^2(CH_2)_pCO_2R^9$, $X^2(CH_2)_pS(O)_yR^9$,

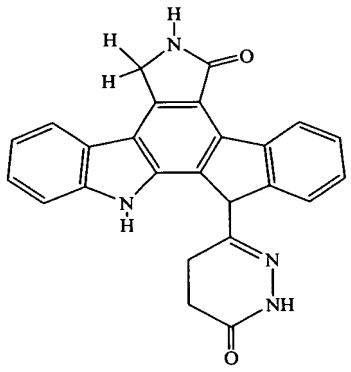
$-X^2(CH_2)_pNR^{10}C(=O)NR^{11}R^{12}$, $-OC(=O)R^9$, $-OCONHR^2$, -O-tetrahydropyranyl, $-NR^{11}R^{12}$, $-NR^{10}CO_2R^9$, $-NR^{10}C(=O)NR^{11}R^{12}$, $-NHC(=NH)NH_2$, $NR^{10}C(=O)R^9$, $-NR^{10}S(O)_2R^9$, $-S(O)_yR^9$, $-CO_2R^2$, $-C(=O)NR^{11}R^{12}$, $-C(=O)R^2$, $-CH_2OR^{10}$, $-CH=NNR^2R^{2A}$, $-CH=NOR^2$, $-CH=NR^9$, $-CH=NNHCH(N=NH)NH_2$, $-S(=O)_2NR^2R^{2A}$, $-P(=O)(OR^{10})_2$, $-OR^{14}$, and a monosaccharide having from 5 to 7 carbons wherein each hydroxyl group of the monosaccharide is independently either unsubstituted or is replaced by H, alkyl having from 1 to 4 carbons, alkylcarbonyloxy having from 2 to 5 carbons, or alkoxy having from of 1 to 4 carbons;

X^2 is O, S, or NR^{10};

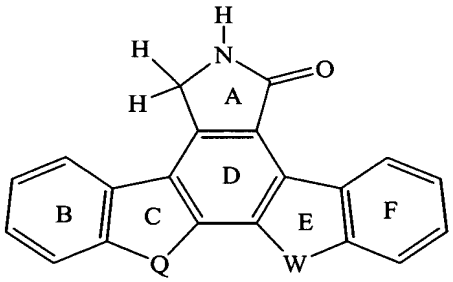
R^{19} is selected from the group consisting of H, alkyl, acyl, and $C(=O)NR^{11A}R^{12A}$; and

X is H or O.

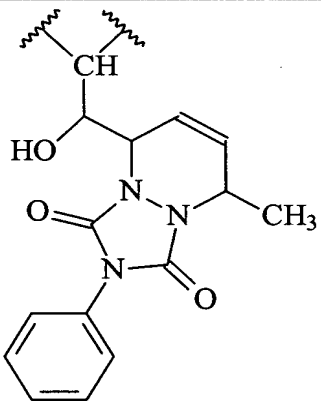
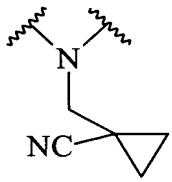
99. (New) A compound of claim 98 having the formula:



100. (New) A compound having the formula:



wherein the constituent variables of the compounds of the above formula are selected in accordance with the following table:

Q	W
NH	
N-CH_2-cyclopropyl	CH-CH_2-cyclopropyl
	CH_2